Appendix A

Raw Concentration Data

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The raw environmental data collected from all sources for use in the screening assessment were combined into a single Microsoft Access database for each medium. Access is a Windows™-based database management system that stores and retrieves data, presents information, and automates repetitive tasks. Diskettes of the raw data are available with this report. The raw data were downloaded from the media databases into comma separated files that can be opened and read by Excel 5.0.

Six diskettes contain the raw data that were used to develop the media files for use in the screening assessment of risk. Three diskettes provided in this appendix contain the raw data values for biota, cobalt-60 particles, drive point groundwater, N Springs punch point water, and pore water. Because the availability of data applicable to the screening assessment is limited, other calculation methods will be used in the screening assessment for contaminant concentrations in biota, cobalt-60 particles, drive point groundwater, N Springs punch point water, and pore water. Therefore, no media files needed to be prepared for these data. The raw data values for biota, cobalt-60 particles, drive point groundwater, N Springs punch point water, and pore water are provided in this report for completeness.

The raw data files provided here are as we received them. Therefore, not all fields are available for all analyses. Some fields, such as sampling location, had to be estimated for the data evaluation. These estimated fields were not loaded into the raw data files.

Diskettes of Raw Data to Be Converted and Used in the Screening Assessment of Risk

- Diskette 1 contains seven files labeled gwseg**.csv, where ** is the two digit segment number. This diskette contains the groundwater raw data for segments 1-5.

- Diskette 2 contains eight files labeled gwseg**.csv, where ** is the two digit segment number. This diskette contains the groundwater raw data for segments 6-9.

- Diskette 3 contains a file labeled gwseg*.csv, where ** is the two digit segment number. This diskette contains the groundwater raw data for segments 10, 12, 13, 15, 17, and 19.

- Diskette 4 contains two files labeled gwseg**.csv, where ** is the two digit segment number. This diskette contains the groundwater raw data for segments 20 and 21.

  Note: No groundwater raw data are available for segments 11, 14, 16, 18, 22-27.

- Diskette 5 contains a file labeled swraw.csv, which is the surface water raw data for segments 1-10 and 13-21. No surface water raw data are available for segments 4, 11, 12, 22, and 24-26.

- Diskette 6 contains three files:

  - sdraw.csv, which is the sediment raw data for segments 1-7, 8-11, 12-27.

  - spraw.csv, which is the seeps raw data for segments 2-6, 7-10, 13-17, 20. No seeps raw data are available for segments 1, 11, 12, 18, 19, 21-27.

  - tldraw.csv, which is the external radiation raw data for segments 1, 2, 4, 6, 8, 11-13, 15-21, 23, 27. No external radiation raw data are available for segments 3, 5, 7, 9, 10,14, 22, 24-26.

Diskettes of Data Values Presented for Completeness

- Diskette 1 contains four files:

  - co60val.csv, which is all the data found for cobalt-60 particles.

  - dpval.csv, which is all the data found for drive point groundwater.

  - nsprval.csv, which is all the data found for N Springs punch point water.

  - poreval.csv, which is all the data found for pore water.

- Diskette 2 contains a file labeled biovalal.csv, which is all the data found for biota with common names beginning with the letters a-l.

- Diskette 3 contains a file labeled bio2valmz.csv, which is all the data found for biota with common names beginning with the letters m-z.

Type of Information Provided in Diskettes

Anal_Protocol	Analysis protocol
Anal_Technique	Analysis technique
Anal_Test_Proc	Analysis test procedure
Anal_Units_RPTD	Units of Measurement for Value_rptd
Coll_Method	Method used to collect sample
Common_Name	Non-scientific name
Con_ID	Contaminant identification number - Chemical Abstract Service (CAS) Registry Number
Con_Long_Name	Full name of contaminant
Con_Short_Name	Abbreviated name of contaminant

Conc_Flag	Flag used by some programs
Counting_Error	Counting error associated with a radioactive sample
Date_Time	Date and time of sampling
Depth	Depth from which sample was taken - not consistently used by programs
Detected	Flag to indicate if a radioactive sample should be considered as detected - not consistently used by programs
Dist_Class	Identifier used by SESP to indicate if the sample was taken on site or off site
EW_Coord	East-west coordinate
Lab_Code	Code used to identify laboratory analyzing sample
LR Cr+6 ppm	Concentration results of lower range analysis for chromium in parts per million (milligrams per liter)
LR ND	Qualifier field for lower range chromium analysis
MDL	Minimum detection level
Media Type	Type of media sampled
NO3 ppm	Concentrations of nitrate in parts per million (milligrams per liter)
NS_Coord	North-south coordinate
Owner_ID	Organization that has responsibility for the sample
Qualifier	Laboratory qualifier code
Result_Com	Comment on the analysis result
Result Modification Flag	Flag to indicate if result has been modified - not used consistently by programs
Review_Flag	Flag to indicate if result has been reviewed - not used consistently by programs
RRN	A unique record identifier assigned by Access
Samp_Comment	Comment on the sample
Samp_Method	Method used to collect sample
Samp_Num	Sample number
Samp_Part	Portion of the medium that was sampled
Samp_Site-Desc	Description of the sampling site
Samp_Site_ID	Identification of sampling site
Samp_Site_Name	Name of sampling site
Samp_Size	Size of sample collected
Samp_Type	Type of sample; further identifies beyond medium; for example, transect
Sampled_Portion	Identification of portion of organism sampled
Segment	Segment from which sample was taken
Site_ID	Identification of sampling site
Status	Groundwater well use status
SV <	Qualifier field for adsorptive stripping voltametry chromium analysis
SV Cr+6 ppb	Adsorptive stripping voltametry concentration results for chromium in parts per billion (micrograms per liter)
Total_Anal_Error	Total analysis error
Value_rptd	The concentration value measured
Well_Name	Name of well from which sample taken